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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/784,049	02/20/2004	Isabel M. Lima	0086.03	6831
25712 7550 04/10/2008 USDA-ARS-OFFICE OF TECHNOLOGY TRANSFER			EXAMINER	
		ON, STUART L		
PEORIA, IL 6			ART UNIT PAPER NUMBER	
,			1793	
			MAIL DATE	DELIVERY MODE
			04/10/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Application No. Applicant(s) 10/784.049 LIMA ET AL. Office Action Summary Examiner Art Unit Stuart Hendrickson 1793 -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply	,,
WHICHEVER IS LONGER, FROM THE I - Extensions of time may be available under the provision after SIX (6) MONTHS from the maining date of this cor If NO period for reply is specified above, the maximum r - Failure to reply within the set or extended period for rep	FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, MALLING DATE OF THIS COMMUNICATION. 3 of 3 CFR 1366). In no event however, may a reply be timely filed munication or 3 of CFR 1366. The second of the se
Status	
''	2b)⊠ This action is non-final. n for allowance except for formal matters, prosecution as to the merits is
closed in accordance with the prac	tice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.
Disposition of Claims	
4)⊠ Claim(s) <u>1-21</u> is/are pending in the 4a) Of the above claim(s) is/. 5)□ Claim(s) is/are allowed. 6)⊠ Claim(s) <u>1.2.7 and 9-21</u> is/are rejec 7)⊠ Claim(s) <u>3-6 and 8</u> is/are objected 1 8)□ Claim(s) are subject to restr	are withdrawn from consideration. cted. to.
Application Papers	
Applicant may not request that any objection Replacement drawing sheet(s) including	he Examiner. a: a) accepted or b) be beld in abeyence. See 37 CFR 1.85(a). githe correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). to by the Examiner. Note the attached Office Action or form PTO-152.
Priority under 35 U.S.C. § 119	
a) All b) Some c) None of: 1. Certified copies of the priorit 2. Certified copies of the priorit 3. Copies of the certified copies application from the Internati	n for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). y documents have been received. y documents have been received in Application No s of the priority documents have been received in this National Stage ional Bureau (PCT Rule 17.2(a)). ion for a list of the certified copies not received.
Attachment(s)	n□
1) Notice of References Cited (PTO-892)	4) Interview Summary (PTO-413)

Attachment(s)		
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/95/08)	4) Interview Summary (PTO-413) Paper No(s)/Mail Date. 5) Notice of Informal Paters Application	
Paper No(s)/Mail Date 9/13/07.	6) Other:	
S. Ratest and Trademark Office		

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The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Claims 15-21 are rejected under 35 U.S.C. 102(b) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over Bagreev in view of Shinog 'Basic ...' article and Chiang. Bagreev teaches on pg. 5 active carbon from sludge. Chiang teaches in the opening paragraph that sewage contains a lot of phosphorus, confirmed by pg. 663 of Shinogi. No difference is seen in the present product versus the references discussed in the specification; the Office need not show the same process of a product-by-process claim.

Claims 15-21 are rejected under 35 U.S.C. 102(b) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over Chen in view of Shinog 'Basic ...' article and Chiang. Chen teaches on pgs. 1 and 3 active carbon from sludge. Chiang teaches in the opening paragraph that sewage contains a lot of phosphorus, confirmed by pg. 663 of Shinogi. No difference is seen in the present product versus the references discussed in the specification; the Office need not show the same process of a product-by-process claim.

Claims 1, 2, 7, 9-13, 15-20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Carugati et al. 5391534 taken with Landis 5695554 and Shinogi 'Pyrolysis...' article.

Carugati teaches in col. 1 activating humic acid (which Landis col. 2 teaches is found from carbonized manure) to form a high surface area active carbon. Using poultry manure as the source of humic acid is an obvious expedient to avoid polluting rivers/watersheds from the waste and to provide an inexpensive source of carbon- as indicated by Shinogi.

Concerning claim 10, 850 degrees is taught; the time and rate of contact with stream is a matter of optimization of throughput to assure complete activation; In re Boesch 205 USPQ 215.

Ex. 1 of Carugati teaches washing the product. Claim 14 is deemed met when manure is used, as it is a natural material, particularly if activated with phosphoric acid as taught by Carugati.

The active carbon made makes claims 15-20 unpatentable: no difference is seen.

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Claims 14 and 21 are rejected under 35 U.S.C. 103(a) as being unpatentable over Carugati et al. 5391534 taken with Landis 5695554 as applied to claims 1, 2, 7, 9-13, 15-20 above, and further in view of Shinoqi 'Basic ...' article and Chiang article.

The above reference do not teach phosphate content, however Chiang teaches in the opening paragraph that sewage contains a lot of phosphorus, confirmed by pg. 663 of Shinogi.

Applicant's arguments filed 1/11/08 have been fully considered but they are not persuasive.

The product has been rejected by the submitted references. The gist of the arguments is process steps, however this is not persuasive as to product (by process) claims, which are not limited to any particular metal sorption values. The P content is deemed possessed, as explained in the expanded rejection. Concerning Carugati/Landis, the teaching of Landis beyond which is relied upon are not relevant- it shows a source of humic acid, which is what Carugati needs. This rejection has also been modified to teach what is well known about the problems of poultry farms. Carugati col. 2 line 44 does not say that the forms of humic acid are radically different from each other as carbon sources- The difference is between treated and untreated materials. Since coal is itself natural, the argued interpretation of Carugi is incorrect-coal cannot be different form 'natural carbon' because it is natural carbon. A difference in the actual carbon product should be shown- note the product of Carugati alone.

Any inquiry concerning this communication should be directed to examiner Hendrickson at telephone number (571) 272-1351.

/Stuart Hendrickson/

Stuart Hendrickson examiner Art Unit 1793